



# Argonne National Laboratory Graduate and Undergraduate Programs



## **Laboratory Graduate Research Appointments**

<http://www.dep.anl.gov/highered/labgrad.htm>

*To:* Graduate Students. US citizen or permanent resident alien

*Application:* Open Enrollment; Application should be submitted at least one month prior to proposed start date.

*Duration:* One-year term with option to renew with satisfactory progress.

*Financial Assistance:* Tuition payment of up to \$5,000 per year, certain travel expenses, & stipend.

Laboratory-Graduate Research (Lab-Grad) appointments are available for qualified U.S. university graduate students who wish to carry out their thesis research at Argonne National Laboratory under co-sponsorship of an Argonne staff member and a faculty member. The university sets the academic standards and awards the degree. In practice, participation by the faculty member varies from full partnership in the research to general supervision of the student's thesis work. The Argonne staff sponsor undertakes to keep the faculty sponsor informed about the student's progress, and he/she attends the thesis defense.

Research may be conducted in the basic physical and life sciences, mathematics, computer science, and engineering as well as in a variety of applied areas relating to conservation, environment, fission and fusion energy and other energy technologies.

## **Thesis Parts Appointments**

<http://www.dep.anl.gov/highered/thesispa.htm>

*To:* Graduate Students

Thesis-Parts Appointments support qualified graduate students who wish to visit Argonne for periods from a few days to a few months, so that they may utilize special Laboratory facilities. Financial support, consisting of travel, housing, and a per diem payment, may be provided to help defray the cost of visiting Argonne.

## **Guest Graduate Appointments**

<http://www.dep.anl.gov/highered/gstgrad.htm>

*To:* Graduate Students

Guest Graduate Appointments are available for qualified graduate students who show that access to Argonne National Laboratory will be beneficial to their thesis research and to Argonne programs. A Guest Graduate is provided a gate pass, usually for one year, and

the student may visit Argonne whenever appropriate. A Guest Graduate receives no stipend from the Laboratory.

### **International Student Exchange Program**

<http://www.dep.anl.gov/ISEP>

*Eligibility:* U.S. citizen or permanent resident alien enrolled in a graduate program; resume, transcripts, and two letters of recommendations; oral and written skills; available for a 2-3 month commitment to the foreign research practicum phase.

*Application:* To obtain an application, please click on the application link above. For additional information, please e-mail [ISEP@dep.anl.gov](mailto:ISEP@dep.anl.gov). Indicate country and project on your application and include two references and a copy of your transcript.

The International Student Exchange Program (ISEP) is a graduate research internship and foreign practicum sponsored by the U.S. Department of Energy (DOE) and the American Nuclear Society. The program is administered by Argonne National Laboratory. The ISEP Program trains graduate students in the scientific and technical areas of mutual interest to the U.S. and host country by working in research laboratories in the host countries. The program supports this exchange for graduate student research in areas that are nuclear engineering related or which support underpinning scientific research related to support such activities. Practicum sites are available in France, Germany, and Japan. This year the program may be expanded to include additional countries. Student stipends are very competitive. Travel awards for U.S. participants will be made to foreign internship sites.

## **GRADUATE and UNDERGRADUATE PROGRAMS**

### **Research Aide Appointments**

<http://www.dep.anl.gov/highered/shortterm.htm>

*To:* Graduate Students and Undergraduate Students

*Application deadline:* February 1, 2004 for Summer 2004

In addition to research participation opportunities, Argonne offers Research Aide appointments to college/university students. These appointments, made primarily during the summer months, are designed to provide the Argonne scientific and engineering staff with technical assistance. Rather than designing their own research program, temporary employees are assigned specific technical tasks. Student-level temporary employees earn a salary, are expected to possess the skills required to do the assigned task when they arrive, and do not participate in the seminar series and field trips. Understanding the scientific basis for the temporary employee's work is generally not emphasized. Students applying for temporary employment should use the research participation application form, clearly marking the temporary employment box.

### **Cooperative Education**

<http://www.dep.anl.gov/highered/coop.htm>

*To:* Graduate Students and Undergraduate Students

*Application:* Open Enrollment; however submit applications early for maximum consideration. Students wanting to start work in June, 2004 should submit their application by March 1, 2004. Students desiring to start work assignments in September, 2004 should submit their application by May 1, 2004

*Requirements:* GPA of at least 2.5 on a 4.0 scale, full-time student, and eligible for their college/university Cooperative Education Program.

Argonne has two types of CO-OP Programs:

- Alternating (semester at Argonne, followed by semester at college/university) and
- Parallel (part-time work to a maximum of 24 hours per week concurrent with full-time college/university enrollment).

A student who is employed in the CO-OP Program is expected to work a minimum of one year as a parallel CO-OP or three semesters as an alternating CO-OP. Students who are interested in shorter lengths of employment should apply for the [Research Aide appointment](#) described in the preceding section. Graduate CO-OP opportunities are available to students while they are attending graduate schools in the Chicago area.

## UNDERGRADUATE PROGRAMS

### **DOE Science Undergraduate Laboratory Internships (SULI) and Student Research Participation Programs (Fall, Spring, & Summer)**

<http://www.dep.anl.gov/highered/fall.htm>

<http://www.dep.anl.gov/highered/spring.htm>

<http://www.dep.anl.gov/highered/summr.htm>

*To:* Undergraduate Students

*Duration:* Fall 15 weeks August 31<sup>st</sup> to December 10th 2004

*Eligibility:* GPA of at least 2.5 on a 4.0 scale, U.S. citizen or permanent resident alien status; sophomore, junior, or senior enrolled in a U.S. college or university.

*Financial Assistance:* Housing allowances, transportation, and stipends are provided to participants. The stipend is \$400.00 per week. Round trip costs to come to Argonne is provided to students who live more than 50 miles away (some restrictions apply). Local transportation will be provided once a student has accepted an offer. A housing allowance is provided when housing is not directly provided. No tuition or fees are paid to your university

The U.S. Department of Energy's (DOE) Argonne National Laboratory, a major research center, is pleased to announce opportunities for college and university undergraduate students to participate in the Laboratory's ongoing research programs. At Argonne, college/university students may obtain research experience through the Department of

Energy's Science Undergraduate Laboratory Internships Program or the Student Research Participation Program.

Basic scientific research programs in Physical and Life Sciences, Mathematics, Computer Science and Engineering. Also applied research programs relating to Coal, Conservation, Environmental Impact and Technology, Fission, and Fusion Technology

### **Community College Institute**

<http://www.scied.science.doe.gov/scied/CCI/about.html>

*To:* Undergraduate Students

*Duration:* Summer only 10 weeks (May through August)

This program places students from community colleges in paid internships in Science and Engineering and Technology. Because of the comprehensive nature of this program many of the participants have felt it has had an enormous influence on their careers. Students work with scientists or engineers on projects related to the laboratories' research programs. They also attend career planning and numerous training/informational sessions.

### **Faculty and Student Teams (FaST) Program**

<http://www.scied.science.doe.gov/scied/fast/about.html>

*To:* Undergraduate Students

The Faculty and Student Teams (FaST) Program is a cooperative effort between the Department of Energy (DOE) Office of Science and the National Science Foundation (NSF). Faculty from colleges and universities with limited research facilities and those institutions serving populations, women, and minorities underrepresented in the fields of science, engineering, and technology are encouraged to apply for the FaST program. The FaST program will support a team comprised of one faculty member and 2 – 3 undergraduate students from eligible NSF projects who are accepted as participants. The program provides hands-on research opportunities in DOE national laboratories during the summer. The faculty member identifies a mutually beneficial research area amenable to collaboration by the faculty member and the laboratory scientist. Potential areas of collaboration are based upon the Project Descriptions described at the specific DOE Office of Science laboratory. Faculty and student team members recruited by the faculty member should apply online. If the application is accepted, your institution may be responsible for requesting supplemental funding from NSF to support the team's participation.

Compiled by:

